

Amendments to the Claims:

Please amend Claims 1, 2, 10, 11, 12, 20, 21 through 26, 28, 29, 33, 34, 36, 37 and 39 to read, as follows.

1. **(Currently Amended)** An image forming apparatus comprising:
  - a first developing agent storing section which stores toner;
  - a toner replenishing member for supplying the toner stored in said first developing agent storing section to a second developing agent storing section;
  - a density detector for detecting a toner density in said second developing agent storing section; [[and]]
  - a detecting section for detecting information relating to fluidity of the toner;
  - a use amount detector for detecting information relating to an amount of toner used in said first developing agent storing section;
  - a storage section for storing information relating to a toner replenishing amount in accordance with information relating to fluidity of the toner detected by said detecting section and information relating to the amount of toner used detected by said use amount detector; and
  - a controller which controls an operation of said toner replenishing member on the basis of information relating to a detected toner density, and information relating to the toner replenishing amount. ~~an amount of toner used in said first developing agent storing section and information relating to fluidity of the toner.~~

2. **(Currently Amended)** The apparatus according to claim 1, wherein the further comprising a storage section which stores information relating to the [[a]] toner replenishing amount stored in said storage section is information relating to a toner replenishing amount per unit rotation of said toner replenishing member in accordance with the information relating to the amount of toner used in said first developing agent storing section and information relating to the fluidity of the toner, and

wherein said controller calculates a number of times of operation of said toner replenishing member on the basis of the toner replenishing amount per unit rotation.

3. **(Previously Presented)** The apparatus according to claim 2, wherein said controller calculates a total amount of toner used in said first developing agent storing section on the basis of the number of times of operation of said toner replenishing member.

4. **(Previously Presented)** The apparatus according to claim 3, wherein said controller determines a state of an amount of the toner in said first developing agent storing section by comparing the total amount of toner used in said first developing agent storing section with a predetermined threshold value.

5. **(Previously Presented)** The apparatus according to claim 4, further comprising a notification unit configured to notify a user of the image of a determination result of said controller.

6. **(Previously Presented)** The apparatus according to claim 4, wherein an image forming operation of the apparatus is stopped when said controller determines that the total amount of the toner used in said first developing agent storing section reaches the predetermined threshold value.

7. **(Currently Amended)** The apparatus according to claim 1, further comprising wherein said detecting section includes an environment detecting section which detects an environment in a main body of the apparatus, and wherein ~~[[the]]~~ information relating to the fluidity of the toner comprises information relating to a detected environment in the main body of the apparatus which is detected by the environment detecting section.

8. **(Previously Presented)** The apparatus according to claim 1, wherein said first developing agent storing section and toner replenishing member constitute a toner replenishing container which is integrally formed and detachable from a main body of the apparatus.

9. **(Previously Presented)** The apparatus according to claim 2, wherein said first developing agent storing section, said toner replenishing member, and said storage section constitute a toner replenishing container which is integrally formed and detachable from a main body of the apparatus.

10. **(Currently Amended)** A method of controlling an image forming apparatus comprising a first developing agent storing section which stores toner, a toner replenishing member for supplying the toner in the first developing agent storing section to a second developing agent storing section ~~[[and]]~~ a density detector for detecting a toner density in the second developing agent storing section, and a storage section for storing information, section; the method comprising:

a use amount ~~detecting~~ determination step of ~~determining~~ detecting information relating to an amount of toner used in the first developing agent storing section; ~~[[and]]~~

a detection step for detecting information relating to fluidity of the toner;

a reading step for reading information relating to a toner replenishing amount in accordance with information relating to fluidity of the toner and information relating to the amount of toner used from said storage section; and

an operation control step of controlling an operation of the toner replenishing member on the basis of information relating to a detected toner density ~~the amount of toner used determined in said use amount determination step~~ and information relating to the toner replenishing amount, fluidity of the toner.

11. **(Currently Amended)** The method according to claim 10, further comprising a detection step of detecting an environment in a main body of the apparatus, ~~[[and]]~~

wherein ~~[[the]]~~ information relating to the fluidity of the toner includes information relating to a detected environment in the main body of the apparatus which is detected in said detection step.

12. **(Currently Amended)** The method according to claim 10, further comprising a toner replenishing amount determination step of determining a toner replenishing amount per unit rotation of the toner replenishing member on the basis of the amount of a developing agent used determined in said use amount determination step and [[the]] information relating to [[the]] fluidity of the toner stored.

13. **(Previously Presented)** The method according to claim 12, further comprising a number of rotations calculation step of calculating a number of times of operation of the toner replenishing member on the basis of the toner replenishing amount per unit rotation determined in said toner replenishing amount determination step.

14. **(Previously Presented)** The method according to claim 13, further comprising a toner total use amount calculation step of calculating a total amount of toner used in the first developing agent storing section on the basis of the number of times of operation of the toner replenishing member calculated in said number of rotations calculation step.

15. **(Previously Presented)** The method according to claim 14, further comprising a determination step of determining a state of an amount of the toner in the first developing agent storing section from the total amount of toner used in the first developing storage section and a predetermined threshold value.

16. **(Previously Presented)** The method according to claim 15, further comprising a notification step of notifying a user of the apparatus of a determination result of said determination step.

17. **(Previously Presented)** The method according to claim 15, further comprising a stopping step of stopping an operation of the apparatus when it is determined in said determination step that the total amount of toner used in the first developing storage section reaches the predetermined threshold value.

18. **(Canceled)**

19. **(Canceled)**

20. **(Currently Amended)** A developing agent replenishing container which is detachable from an image forming apparatus, the container comprising:

a developing agent storing section which stores toner;

a toner replenishing member for supplying the toner to a main body of the apparatus; and

a storage section which stores information relating to the toner,

wherein said storage section includes a memory region which stores ~~information for controlling an operation of a developing agent replenishing member on the basis of~~ information relating to a toner replenishing amount in accordance with density detected by ~~a density detector in a main body of the apparatus~~, information relating to an amount of

toner used in said developing agent storing section and information relating to fluidity of the toner.

21. **(Currently Amended)** The container according to claim 20, wherein the information relating to the toner replenishing amount ~~for controlling the operation of the developing agent replenishing member~~ includes information relating to a toner replenishing amount per unit rotation of said toner replenishing member in accordance with the information relating to the amount of the toner used in said developing agent storing section and information relating to ~~[[the]]~~ fluidity of the toner.

22. **(Currently Amended)** The container according to claim 20, wherein said storage section includes a region which stores ~~[[the]]~~ information relating to the amount of the toner used in said developing agent storing section.

23. **(Currently Amended)** A memory unit mounted in a developing agent replenishing container for use in an image forming apparatus, wherein the apparatus ~~including a first developing agent storing section which stores a developing agent replenishing container comprises~~ [[and]] a toner replenishing member for supplying toner to a second developing agent storing section of the image forming apparatus, section; and the image forming apparatus includes a detector for detecting information relating to fluidity of the toner, a use amount detector for detecting information relating to an amount of toner used in the developing agent replenishing container, and a density detector for detecting a toner density in the second developing agent storing section;

the memory unit ~~comprises~~ comprises: a memory region which stores information relating to toner replenishing amount in accordance with ~~for controlling an operation of the toner replenishing member on the basis of information relating to the toner density in the second developing agent storing section;~~ information relating to an amount of toner used in the first developing agent storing section and information relating to fluidity of the toner.

24. **(Currently Amended)** The memory unit according to claim 23, wherein, the use amount detector ~~image-forming apparatus further~~ includes an environment detecting section which detects an environment in the apparatus, and wherein ~~[[the]]~~ information relating to the fluidity of the toner includes information relating to the detected environment in the apparatus. ~~apparatus which is detected by the environment detecting section.~~

25. **(Currently Amended)** The memory unit according to claim 23, wherein the information relating to the toner replenishing amount ~~for controlling the operation of the toner replenishing member~~ includes information relating to a toner replenishing amount per unit rotation of the toner replenishing member in accordance with ~~[[the]]~~ information relating to the amount of the toner used ~~in the first developing storage section~~ and information relating to the fluidity of the toner.

26. **(Currently Amended)** The memory unit according to claim 23, further comprising a region which stores ~~[[the]]~~ information relating to the amount of the toner used in the first developing storage section.



27. **(Previously Presented)** The memory unit according to claim 23, further comprising a communication section for communicating with a main body of the apparatus.

28. **(Currently Amended)** An image forming apparatus which has a detachable cartridge comprising a first developing agent storing section which stores toner, a toner replenishing member for supplying the toner in the first developing agent storing section to an image forming section, a storage section which stores information relating to the toner, the apparatus comprising:

an image forming section; and

a controller which controls an operation of the toner replenishing member on the basis of information relating to a toner replenishing amount ~~the conveyability information;~~ according to information relating to an amount of toner used in the first developing agent storing section detected by a use amount detector and information relating to an environment in a main body of the apparatus detected by an environment detector, relating to fluidity of the toner stored in the storage section.

29. **(Currently Amended)** The apparatus according to claim 28, wherein, information relating to the toner replenishing amount ~~wherein~~

~~the conveyability information~~ includes information relating to a toner replenishing amount per unit rotation of the toner replenishing member in accordance with information relating to the amount of toner used in the first developing agent storing section and

information relating to the environment in the main body of the apparatus, relating to the fluidity of the toner, and

wherein said controller calculates a number of times of operation of the toner replenishing member on the basis of the toner replenishing amount per unit rotation.

30. **(Previously Presented)** The apparatus according to claim 29, wherein said controller also calculates a total amount of toner used in the first developing agent storing section on the basis of the number of times of operation of the toner replenishing member.

31. **(Original)** The apparatus according to claim 30, wherein said controller determines a state of an amount of the toner in the first developing agent storing section by comparing the total amount of toner used in the first developing agent storing section with a predetermined threshold value.

32. **(Canceled)**

33. **(Currently Amended)** A developing agent replenishing container which is detachable from an image forming apparatus, the container comprising:

a developing agent storing section which stores toner;

a toner replenishing member for supplying the toner to a main body of the apparatus; and

a storage section which stores information relating to the toner,

wherein said storage section includes a memory region which stores information relating to toner replenishing amount ~~conveyability information of the toner~~ according to information relating to an amount of toner used in said first developing agent storing section and information relating to an environment in a main body of the apparatus. ~~fluidity of the toner.~~

34. **(Currently Amended)** The container according to claim 33, wherein information relating to the toner replenishing amount ~~the conveyability information of the~~ toner includes information relating to a toner replenishing amount per unit rotation of said toner replenishing member in accordance with information relating to the amount of toner used and information relating to the fluidity of the toner.

35. **(Previously Presented)** The container according to claim 33, wherein said storage section includes a region which stores information relating to the amount of the toner used in said developing agent storing section.

36. **(Currently Amended)** A memory unit mounted in a developing agent replenishing container for use in an image forming apparatus, wherein said apparatus ~~including a first developing agent replenishment container comprises~~ ~~storing section which~~ stores a developing agent and a toner replenishing member for replenishing toner ~~supplying~~ toner to an image forming section of the apparatus. ~~section;~~

the memory unit comprises a memory region ~~comprising: a region~~ which stores information relating to a toner replenishing amount ~~conveyability information of toner~~

according to information relating to an amount of toner used in said ~~first~~ developing  
replenishing container agent storing and information relating to an environment in a main  
body of the apparatus. ~~fluidity of the toner.~~

37. **(Currently Amended)** The memory unit according to claim 33, wherein  
information relating to toner replenishing amount includes the conveyability information of  
~~the toner includes~~ information relating to a toner replenishing amount per unit rotation of  
the toner replenishing member in accordance with information relating to the amount of  
toner used in the first developing agent storing section and information relating to ~~[[the]]~~  
fluidity of the toner.

38. **(Canceled)**

39. **(Currently Amended)** The memory unit according to claim 36, further  
comprising a region which stores ~~[[the]]~~ information relating to the amount of the toner  
used in the ~~first developing agent replenishing container.~~ storage section.

40. **(Previously Presented)** The memory unit according to claim 36, further  
comprising a communication section for communicating with a main body of the  
apparatus.